

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended): A disc substrate ~~having~~ comprising:
an eccentricity measuring area in which a groove area formed with spiral grooves and a circular planer mirror area concentric with the spiral grooves are spatially alternately arranged.
2. (Currently Amended): A disc substrate according to claim 1, wherein an interval between the grooves in said groove area ~~is selected in accordance with~~ allows an optical system of a mechanical characteristics measuring apparatus ~~which is used~~ to measure an eccentricity amount and a fluctuation of a push-pull signal at one end and the other end of said groove formed spirally in said groove area.
3. (Currently Amended): A disc substrate according to claim 2, wherein a width of said groove area and a width of said mirror area ~~are selected in accordance with~~ allows the optical system of said mechanical characteristics measuring apparatus ~~which is used~~ to measure the eccentricity amount.
4. (Currently Amended): A disc substrate according to claim 2, wherein an interval between said grooves is ~~selected so as to have a value~~ in a range from 0.01 times a repetition interval of said grove area or said mirror area ~~time or more~~ to 0.25 ~~time or less of a~~ times the repetition interval of said groove area or said mirror area.
5. (Currently Amended): A disc substrate according to claim 2, wherein an interval between said grooves is ~~selected so as to have a value~~ in a range from 0.01 ~~time or more~~ times

a repetition interval of said groove area or said mirror area to 0.15 ~~time or less of a~~ times the
repetition interval of said groove area or said mirror area.

6. (Currently Amended): A disc substrate according to claim 4, wherein the repetition interval of said groove area or said mirror area is set to a value in a range from $0.7\text{ }\mu\text{m}$ ~~or more~~ to $2.5\text{ }\mu\text{m}$ ~~or less~~.

7. (Currently Amended): A disc substrate according to claim 4, wherein a width of said groove area is ~~selected so as to have a value~~ in a range from 0.2 ~~time~~ times the repetition interval of said groove area or said mirror area ~~or more~~ to 0.8 ~~time or less of~~ times the repetition interval of said groove area or said mirror area.

8. (Original): A disc substrate according to claim 4, wherein a width of said groove area is equal to almost the half of the repetition interval of said groove area or said mirror area.

9. (Currently Amended): A disc substrate according to claim 4, wherein a width of said eccentricity measuring area is ~~selected so as to have a value~~ in a range from $30\text{ }\mu\text{m}$ ~~more~~ to 3 mm or less.

10. (Original): A disc substrate according to claim 1, wherein a clamp area to attach an optical disc to a spindle motor is set near a center hole of said disc substrate, an inner rim diameter of said clamp area is selected from a range of 22 to 24 mm, and an outer rim diameter of said clamp area is selected from a range of 32 to 34 mm.

11. (Currently Amended): A disc substrate according to claim 1, wherein a non-data area to attach the disc substrate to a spindle motor, a data area to form an information signal portion, and a non-data area having the eccentricity measuring area to measure eccentricity of the disc substrate are sequentially ~~provided~~ disposed.

12. (Currently Amended): A disc substrate according to claim 1, wherein a thickness of said disc substrate is ~~selected from~~ in a range of 0.6 to 1.2 mm, ~~[[a]] an outer diameter (outer diameter)~~ of said disc substrate is ~~equal to~~ in a range of 80 to 120 mm, and an ~~opening inner diameter (inner diameter)~~ of a center hole is equal to about 15 mm.

13. (Currently Amended): A disc substrate according to claim 1, wherein ~~in a system for recording onto the grooves~~, a distance (~~track pitch~~) between the grooves formed in a data area is equal to about 0.32 μm and a width of each groove formed in the data area is equal to about 0.22 μm (~~half value width~~).

14. (Currently Amended): An optical disc comprising:
a disc substrate having an eccentricity measuring area in which a groove area formed with spiral grooves and a circular planer mirror area concentric with the spiral grooves are spatially alternately arranged;
an information signal portion formed on one principal plane of said disc substrate; and
a protective layer for protecting said information signal portion.

15. (Currently Amended): An optical disc according to claim 14, wherein said protective layer has light transmittance, and at least one of recording ~~and/or~~ and reproduction

of an information signal ~~are/is~~ is executed by ~~irradiating~~ receiving a laser beam from ~~[[the]]~~ a side where said protective layer is provided.

16. (Currently Amended): An optical disc according to claim 14, wherein an interval between the grooves in said groove area ~~is selected in accordance with~~ allows an optical system of a mechanical characteristics measuring apparatus ~~which is used~~ to measure an eccentricity amount and a fluctuation of a push-pull signal at one end and the other end of said groove formed spirally in said groove area.

17. (Currently Amended): An optical disc according to claim 16, wherein a width of said groove area and a width of said mirror area ~~are selected in accordance with~~ allow the optical system of said mechanical characteristics measuring apparatus ~~which is used~~ to measure the eccentricity amount.

18. (Currently Amended): An optical disc according to claim 16, wherein an interval between said grooves is ~~selected so as to have a value~~ in a range from 0.01 ~~time or more times~~ a repetition interval of said groove area or said mirror area to 0.25 ~~time or less of a times the~~ repetition interval of said groove area or said mirror area.

19. (Currently Amended): An optical disc according to claim 16, wherein an interval between said grooves is ~~selected so as to have a value~~ in a range from 0.01 ~~time or more times~~ a repetition interval of said groove area or said mirror area to 0.15 ~~time or less of a times the~~ repetition interval of said groove area or said mirror area.

20. (Currently Amended): An optical disc according to claim 18, wherein the repetition interval of said groove area or said mirror area is set to a value in a range from 0.7 μm ~~or more~~ to 2.5 μm ~~or less~~.

21. (Currently Amended): An optical disc according to claim 18, wherein a width of said groove area is ~~selected so as to have a value~~ in a range from 0.2 ~~time or more~~ times the repetition interval of said groove area or said mirror area to 0.8 ~~time or less of times~~ the repetition interval of said groove area or said mirror area.

22. (Original): An optical disc according to claim 18, wherein a width of said groove area is equal to almost the half of the repetition interval of said groove area or said mirror area.

23. (Currently Amended): An optical disc according to claim 18, wherein a width of said eccentricity measuring area is set to a value in a range from 30 μm ~~or more~~ to 3 mm ~~[[or]] less~~.

24. (Currently Amended): An optical disc according to claim 14, wherein said protective layer is made of a light transmitting layer and ~~formed by adhering~~ includes a sheet adhered onto one principal plane of the substrate on ~~[[the]]~~ a side where said information signal portion has been formed.

25. (Currently Amended): An optical disc according to claim 14, wherein a clamp area to attach an optical disc to a spindle motor is set near a center hole of said disc substrate, an inner rim diameter of said clamp area is ~~selected from~~ in a range of 22 to 24 mm, and an outer rim diameter of said clamp area is ~~selected from~~ in a range of 32 to 34 mm.

26. (Currently Amended): An optical disc according to claim 14, wherein a non-data area to attach the disc substrate to a spindle motor, a data area to form the information signal portion, and a non-data area having an eccentricity measuring area to measure eccentricity of the disc substrate are sequentially ~~provided~~ disposed.

27. (Currently Amended): An optical disc according to claim 14, wherein a thickness of said disc substrate is ~~selected from~~ is in a range of 0.6 to 1.2 mm, ~~a diameter (outer diameter)~~ an outer diameter of said disc substrate is ~~equal to~~ in a range of 80 to 120 mm, and an ~~opening~~ inner diameter (~~inner diameter~~) of a center hole is equal to about 15 mm.

28. (Currently Amended): An optical disc according to claim 14, wherein in a system for recording onto the grooves, a distance (~~track pitch~~) between the grooves formed in a data area is equal to about 0.32 μm and a width of each groove formed in the data area is equal to about 0.22 μm (~~half value width~~).

29. (Currently Amended): An optical disc according to claim [[14]] 24, wherein the sheet which is used to form said light transmitting layer comprises a light transmitting sheet and a PSA (Pressure Sensitive Adhesion) adhered to one surface of said light transmitting sheet.